

Special Issue

Understanding the Role of Non-coding DNA in Neurodegenerative Disease

Message from the Guest Editor

The importance of the central role of non-coding DNA driving neurodegeneration is captured by the identification of numerous polymorphic domains in non-coding DNA, from the analysis of GWAS and other studies directed at genomic structural variants being significantly associated with risk and progression for many neurodegenerative conditions. In addition to the direct effect of DNA on genomic regulation, the non-coding DNA directs the generation of regulatory RNA, of which there are many different classes with distinct roles in neurodegeneration. We would like to cover this range of diverse functions of the non-coding genome in a Special Issue of *IJMS*, "Understanding the role of non-coding DNA in Neurodegenerative Disease". Authors from all neurodegeneration disease backgrounds and areas are welcome. All regulatory mechanisms will be considered, demonstrating the wealth and diversity in the modulation of cellular signaling, chromatin 3D organization, and gene expression driving cellular phenotypic changes in both neuronal and neuronal cells associated with neurodegeneration.

Guest Editor

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